

TWO-CONDUCTOR MEDIUM SYSTEMS AND METHODS  
FOR TRANSMISSION AND RECEPTION OF  
MULTIPLE-CHANNEL DATA SIGNALS

ABSTRACT OF THE DISCLOSURE

Communication systems and methods are provided for communicating data signals over a plurality of different respective communication channels. The systems are realized with sets of signal filters wherein each filter set defines a respective communication channel. The filters of each set are distributed among transceivers which are coupled together with a two-conductor medium. The systems and methods provide communication to a significant number of communication end-users over a substantial number of communication channels without the need for complex modulation and demodulation hardware.

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